

Chemicals that cut costs

Descalers and degreasers



Reduce downtime with Summit Lubrication descalers

Lime scale build-up is a common – and costly – issue in water-wetted equipment (such as air compressors, heat exchangers, vacuum pumps, boilers, cooling towers, and more). Because non-distilled water inevitably forms mineral deposits when exposed to metal, scale builds up over time and becomes a real threat to your equipment – and to the efficiency of your operation.

The downtime typically required to clean and protect equipment from scale formation can cost millions in lost revenue, and the build-up itself can significantly reduce pumping volume.

That's why Summit Lubrication designed a smarter way to remove scale. Our descaler product line:

- Circulates through your system while it operates
- Cleans as it circulates through your system
- Two different options depending on metals in the system, and operating parameters

That means you can return your scaled equipment to a clean, efficient state without significant downtime or scrubbing.

Descaler products:

Sublime® Descaler

Sum-Kool



Sublime Descaler: A smarter way to remove scale

Save thousands in downtime costs

Say goodbye to downtime, inefficiency and hassle with **Sublime Descaler**. **Sublime** is a powerful, water-based descaler that removes scale build-up in industrial machinery without requiring disassembly or downtime. **Sublime** circulates through your system without the need to disassemble, saving you thousands in downtime costs.

Sublime also:

- Changes color when ready for disposal
- Removes approximately 1.5 pounds of scale per gallon
- Releases CO₂ as a byproduct
- Has a pleasant citrus-lime fragrance
- Is NSF A-3 registered
- Is non-toxic, non-corrosive and non-flammable
- Not considered hazardous for road transport

The result? Maximized uptime, equipment efficiency and ease of use.



Before



After

Application

Sublime is specifically formulated with wetting agents, corrosion inhibitors and degreasing compounds for use in water-cooled equipment, such as:

- Power plant boilers, piping systems and evaporating equipment
- Equipment in refineries, utility companies, paper mills, chemical plants, foundries and other industries
- Sewage disposal plants, water treating facilities and other municipal water handling operations

Sublime is not recommended for use in aluminum, aluminum alloys, zinc (hot dipped galvanized sheet) and all alloys of magnesium.

Refer to SDS for specific application instructions.

Sum-Kool: A simple, safe descaler for cooling systems

Reduce downtime and waste with a chemical chelating descaler

Sum-Kool is a cooling system descaler that removes limescale, rust and corrosion from inside cooling systems. **Sum-Kool** can be applied by mixing with your system's coolant and running under normal conditions for as little as one day, removing the need for long periods of downtime.

Sum-Kool is also:

- Based upon chelating agents specially formulated for closed-loop systems, including those with aluminum components
- Formulated to remove scale without the need for venting and without generating carbon dioxide
- Non-acidic and does not require neutralization
- Non-corrosive and will not affect materials commonly found in water-wetted equipment
- Disposable via standard municipal water handling systems



Application

Sum-Kool applications include, but are not limited to:

- Power plant boilers and piping systems, including nuclear power plants
- Equipment in refineries, utility companies, paper mills, chemical plants, foundries and other industries
- Sewage disposal plants, water treating facilities and other municipal water handling operations
- Compressor stations and radiator systems, including closed loop systems
- Equipment that is water-cooled in any manner or that requires the removal of multivalent metal ions
- Applications in office buildings, hospitals and electronics facilities where accidental spills or leaks of acid-based cleaners could result in adverse effects
- Any cleaning application requiring a solution with an extremely low metal ion content

Refer to SDS for specific application instructions.

Heavy-duty degreasers with a light environmental impact

When it comes to industrial cleaning, Summit Lubrication knows you need one thing from your degreaser: to get the job done as effectively and efficiently as possible.

That's why we offer **EnviroTech® Green Cleaner**.

Its super-concentrated formula is designed to remove oil residue and hydrocarbon build-up such as grease, motor oil, tar, fuel, fats, heavy soil and much more. It's strong enough to reduce grease trap problems during heavy cleaning.

Cleaning your equipment shouldn't mean harming the environment. Summit Lubrication is committed to offering a biodegradable degreaser to keep your facility – and the environment – free from hazardous toxins. **EnviroTech Green Cleaner** is proven to be an effective replacement for many widely used cleaners that contain hazardous chemicals.



Degreaser: EnviroTech Green Cleaner

EPA recognized degreaser and cleaner

A safe and environmentally friendly cleaner is no longer a weak cleaner. **EnviroTech Green Cleaner** has proven powerful, safe and effective across hundreds of applications.

EnviroTech Green Cleaner is a propylene-based glycol ether solvent with an environmentally safe chelating agent and surfactant. **EnviroTech** benefits include:

- Superior penetration for removal of dirt, grease and oils
- Ability to clean where mechanical agitation is restricted
- Excellent rinsing properties
- Readily biodegradable
- No VOCs or phosphates
- Non-sensitizer to skin
- Non-flammable and non-corrosive

Application

EnviroTech Green Cleaner can be used in a multitude of industries. It removes oil residue and hydrocarbon buildup such as grease, motor oil, tar, fuel, fats and heavy soil in equipment used in industries such as:

- Automotive repair
- Food processing
- Manufacturing
- General maintenance
- Bearings
- Chains
- Slides & other mechanical components

EnviroTech Green Cleaner is sold as a concentrate 1:1 dilution with water for heavy duty cleaning and 1:10 dilution with water for light duty. Refer to SDS for specific application instructions.



U.S. EPA Safer Choice Product* & NSF Food Grade Registered

- No hazardous ingredients in packaging
- No dangerous interactions
- No carcinogens or reproductive toxins
- No sensitizers



**EPA/Safer Choice recognition does not constitute endorsement of these products. The Safer Choice logo signifies that the products' formulas, as Klüber Lubrication NA LP has represented it to the EPA, contain ingredients with more positive human health and environmental characteristics than conventional products of the same type. EPA/Safer Choice relies solely on Klüber Lubrication NA LP, its integrity and good faith, for information on the products' composition, ingredients and attributes. EPA/Safer Choice has not independently identified, that is, via chemical analysis, the ingredients in the products' formula, nor evaluated any of Klüber Lubrication NA LP non-ingredient claims. EPA/Safer Choice provides its evaluation only as to the products' human health and environmental characteristics, as specified in the Standard and based on currently available information and scientific understanding.*

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Summit Lubrication – partnering for success

Our focus is on building the highest quality lubricants and backing it up with uncompromising customer service. Founded in 1982, we are recognized as a leader in synthetic lubricant technology for industrial applications. Since 1996 Summit is a brand of Klüber Lubrication.

www.klsummit.com

The logo features the word "KLÜBER" in a bold, italicized, sans-serif font with a double slash above the "U". Below it, the word "LUBRICATION" is written in a smaller, all-caps, sans-serif font. To the left of "LUBRICATION" is the text "a brand of" in a smaller font size.
KLÜBER
a brand of **LUBRICATION**